

AMENDMENT TO THE CLAIMS

Claims 1-19, 21-91 and 95-98 are pending. Claims 95 and 97 have been canceled and claims 1, 23, 49, 58, 63, 70, 71, 96 and 98 have been amended for clarity, without acquiescence or prejudice to pursue in a related application. No new matter has been added. A complete listing of the claims is provided as follows and supersedes all previous claim listings.

1. (Currently Amended) A method for prefabricating an information page, comprising:
prefabricating a first page in accordance with a definable prefabrication policy to produce
a first prefabricated page, wherein the prefabricating is not in response to an
information request for the first page by a user;
receiving the information request;
determining if the information request corresponds to the first page;
providing the first prefabricated page if the information request corresponds to the first
page; [[and]]
dynamically fabricating a second page if the information request corresponds to the
second page,[[;]]
wherein the act of prefabricating the first page comprises sending a request for
information of the first page, wherein the request comprises a page request
block (PRB) and is transmitted at a rate based on system resource
information; and[[.]]
storing the first page prefabricated in accordance with the definable prefabrication policy
in a computer readable medium or a storage device.
2. (Original) The method of claim 1 further comprising:
determining if the first prefabricated page is stale;
dynamically fabricating the first page if the first prefabricated page is stale.
3. (Original) The method of claim 2 in which a time factor is considered in determining
whether the first prefabricated page is stale.
4. (Original) The method of claim 1 further comprising:
crawling the first prefabricated page;
determining if additional pages should be prefabricated; and

prefabricating the additional pages.

5. (Original) The method of claim 4 in which the first page is a start page.
6. (Original) The method of claim 1 in which prefabricating the first page comprises:
querying a database for information;
processing the information; and
packaging the processed information into the first prefabricated page.
7. (Original) The method of claim 1 in which a system resource level is considered before scheduling the action of prefabricating the first page.
8. (Original) The method of claim 7 in which the system resource level is a resource measure selected from the group consisting of: CPU usage level, memory usage level, and number of pending prefabrication requests.
9. (Original) The method of claim 1 in which the definable prefabrication policy applies to a specific user or class of users.
10. (Original) The method of claim 1 in which the definable prefabrication policy identifies pages to prefabricate.
11. (Original) The method of claim 10 in which the definable prefabrication policy comprises a responsibility parameter.
12. (Original) The method of claim 10 in which the definable prefabrication policy comprises an application identifier.
13. (Original) The method of claim 10 in which the definable prefabrication policy comprises a scheduling parameter.
14. (Original) The method of claim 10 in which the definable prefabrication policy comprises a refresh rate parameter.
15. (Original) The method of claim 1 in which auto-tuning of the prefabricating step is performed to minimize interference with other system workload.
16. (Original) The method of claim 1 in which the definable prefabrication policy is organized as a hierarchy of policies.

17. (Original) The method of claim 16 in which the definable prefabrication policy comprises a system policy.
18. (Original) The method of claim 16 in which the definable prefabrication policy comprises an application policy.
19. (Original) The method of claim 16 in which the definable prefabrication policy comprises a user policy.
20. (Cancelled)
21. (Original) The method of claim 1 in which the first page comprises a browser page.
22. (Original) The method of claim 1 in which the first prefabricated page is cached.
23. (Currently Amended) A system, comprising a processor, for prefabricating information, comprising:
 - a prefabricator configured to prefabricate a first page to produce a first prefabricated page, wherein the first page is not prefabricated by the prefabricator in response to an information request for the first page by a user, and wherein the act of prefabricating the first page comprises sending a request for information of the first page, wherein the request comprises a page request block (PRB) and is transmitted at a rate based on system resource information; and
 - an interceptor to intercept the information request, the interceptor logically interposed between a user interface and a computer application, the interceptor providing the first prefabricated page if the information request corresponds to the first page and dynamically fabricating a second page if the information request corresponds to the second page.
24. (Original) The system of claim 23 in which the prefabricator comprises a module to identify pages to prefabricate.
25. (Original) The system of claim 23 in which the prefabricator comprises a module to prioritize a list of pages to prefabricate.
26. (Original) The system of claim 25 in which the module prioritizes the list of pages based upon a system resource parameter.

27. (Original) The system of claim 25 in which the module prioritizes the list of pages based upon a page prefabrication time parameter.
28. (Original) The system of claim 25 in which the module prioritizes the list of pages based upon a user access pattern parameter.
29. (Original) The system of claim 25 in which the module prioritizes the list of pages based upon a page depth parameter.
30. (Original) The system of claim 23 in which the first page corresponds to a page request, wherein the page request is processed as a second information request to the interceptor.
31. (Original) The system of claim 30 in which the prefabricator comprises a module to determine a number of page requests to concurrently process into prefabricated pages.
32. (Original) The system of claim 31 in which the number of concurrent page requests increase when available system resources increase.
33. (Original) The system of claim 23 in which the prefabricator comprises a module to crawl the first prefabricated page for additional pages to prefabricate.
34. (Original) The system of claim 23 in which the prefabricator accesses a prefabrication policy to manage prefabricating the first page.
35. (Original) The system of claim 23 in which the user interface comprises a browser.
36. (Original) The system of claim 23 in which the computer application comprises a database application.
37. (Original) The system of claim 23 in which the interceptor is integrated into a web server.
38. (Original) The system of claim 23 in which the interceptor is integrated with a cache server.
39. (Original) The system of claim 23 in which the prefabricator comprises a module to monitor system resources.
40. (Original) The system of claim 23 in which the prefabricator and the interceptor are logically associated with a first network node, wherein the system further comprises:
a second prefabricator and a second interceptor logically associated with a second

network node.

41. (Original) The system of claim 40 in which the routing component routes information requests among the first and second network nodes.
42. (Original) The system of claim 40 in which a load distributor distributes a prefabrication workload among the first and second network nodes.
43. (Original) The system of claim 42 in which the prefabrication workload is distributed based upon system resource levels at the first and second network nodes.
44. (Previously Presented) The system of claim 43 in which a node is assigned a share of the prefabrication workload based on a resource level of the node.
45. (Original) The system of claim 43 in which each of the first and second network nodes are assigned work from the prefabrication workload based upon its individual resource levels without regard to resource levels on other nodes.
46. (Original) The system of claim 43 in which the first and second network nodes are assigned work from the prefabricated workload in a coordinated manner.
47. (Original) The system of claim 40 in which prefabricated pages are stored in a network accessible storage device.
48. (Original) The system of claim 23 which is non-intrusively implemented with an existing computer application such that code changes are not performed against the existing computer application.
49. (Currently Amended) A method for prefabricating information pages, comprising:
prefabricating a first page on a first node to produce a first prefabricated page, wherein the prefabricating is not in response to an information request for the first page by a user;
storing the first prefabricated page in a first computer readable storage medium or a first storage device;
prefabricating a second page on a second node to produce a second prefabricated page;
storing the second prefabricated page in the first computer readable storage medium, the first storage device, a second computer readable storage medium, or a second storage

device;

receiving the information request;

providing the first prefabricated page if the information request corresponds to the first page; and

providing the second prefabricated page if the information request corresponds to the second page.]]

wherein the act of prefabricating the first page comprises sending a request for information of the first page, wherein the request comprises a page request block (PRB) and is transmitted at a rate based on system resource information.

50. (Original) The method of claim 49 further comprising:
routing the information request to either the first or second node.
51. (Original) The method of claim 49 in which the first node accesses the second prefabricated page to satisfy the information request.
52. (Original) The method of claim 49 in which the first and second prefabricated pages are stored on a network accessible storage device.
53. (Original) The method of claim 52 in which network accessible storage device comprises a NFS-compliant device.
54. (Original) The method of claim 49 in which a prefabrication workload is distributed among the first and second nodes.
55. (Previously Presented) The method of claim 54 in which a node is assigned a share of the prefabrication workload based on a resource level of the node.
56. (Original) The method of claim 54 in which each of the first and second nodes are assigned work from the prefabrication workload based upon its individual resource levels without regard to resource levels on other nodes.
57. (Original) The method of claim 54 in which the first and second nodes are assigned work from the prefabricated workload in a coordinated manner.
58. (Currently Amended) A method for prefabricating an information page, comprising:

prefabricating a first page to produce a first prefabricated page, wherein the

prefabricating is not in response to an information request for the first page by a user;
receiving the information request from a user having a session identifier;
determining if the information request corresponds to the first page;
providing the first prefabricated page with the session identifier if the information request
corresponds to the first page; [[and]]
dynamically fabricating a second page if the information request corresponds to the
second page,[[;]]

wherein the act of prefabricating the first page comprises sending a request for
information of the first page, wherein the request comprises a page request
block (PRB) and is transmitted at a rate based on system resource
information; and[[.]]

storing the first prefabricated page in a computer readable storage medium or a storage
device.

59. (Original) The method of claim 58 further comprising:
verifying validity of the session identifier.
60. (Original) The method of claim 59 further comprising:
distributing a message verifying the validity of the session identifier to one or more
network nodes.
61. (Original) The method of claim 58 in which the session identifier is provided with the
first prefabricated page as a URL parameter.
62. (Original) The method of claim 58 in which the session identifier is provided with the
first prefabricated page as a cookie value.
63. (Currently Amended) A method for prefabricating an information page comprising:
obtaining one or more parameters that define how a page should be prefabricated; [[and]]
prefabricating a page based on the one or more parameters, wherein the prefabricating is
not in response to an information request for the page by a user, and wherein the act
of prefabricating the page comprises sending a request for information of the first
page, wherein the request comprises a page request block (PRB) and is transmitted at

a rate based on system resource information; and[[.]]

storing the page prefabricated based on the one or more parameters in a computer
readable storage medium or a storage device.

64. (Previously Presented) The method of claim 63, wherein one of the one or more parameters is based on a specific user or class of users.
65. (Previously Presented) The method of claim 63, further comprising identifying a page to prefabricate based on the one or more parameters.
66. (Previously Presented) The method of claim 63, further comprising identifying an application for which the page should be prefabricated based on the one or more parameters.
67. (Previously Presented) The method of claim 63, wherein one of the one or more parameters comprises a scheduling parameter.
68. (Previously Presented) The method of claim 63, wherein one of the one or more parameters comprises a refresh rate parameter.
69. (Previously Presented) The method of claim 63, wherein the one or more parameters are organized as a hierarchy of policy categories.
70. (Currently Amended) A computer program product that includes a medium usable by a processor, the medium having stored thereon a sequence of instructions which, when executed by said processor, causes said processor to execute a process for prefabricating an information page, the process comprising:
- prefabricating a first page in accordance with a definable prefabrication policy to produce a first prefabricated page, wherein the prefabricating is not in response to an information request for the first page by a user;
 - receiving the information request;
 - determining if the information request corresponds to the first page;
 - providing the first prefabricated page if the information request corresponds to the first page; and
 - dynamically fabricating a second page if the information request corresponds to the second page. [[;]]

wherein the act of prefabricating the first page comprises sending a request for information of the first page, wherein the request comprises a page request block (PRB) and is transmitted at a rate based on system resource information.

71. (Currently Amended) A computer program product that includes a medium usable by a processor, the medium having stored thereon a sequence of instructions which, when executed by said processor, causes said processor to execute a process for prefabricating an information page, the process comprising:

prefabricating a first page on a first node to produce a first prefabricated page, wherein the prefabricating is not in response to an information request for the first page by a user;

storing the first prefabricated page;

prefabricating a second page on a second node to produce a second prefabricated page;

storing the second prefabricated page;

receiving the information request;

providing the first prefabricated page if the information request corresponds to the first page; and

providing the second prefabricated page if the information request corresponds to the second page.[::]

wherein the act of prefabricating the first page comprises sending a request for information of the first page, wherein the request comprises a page request block (PRB) and is transmitted at a rate based on system resource information.

72. (Previously Presented) The computer program product of claim 70, the process further comprising:

determining if the first prefabricated page is stale;

dynamically fabricating the first page if the first prefabricated page is stale.

73. (Previously Presented) The computer program product of claim 70, the process further comprising:

crawling the first prefabricated page;

determining if additional pages should be prefabricated; and
prefabricating the additional pages.

74. (Previously Presented) The computer program product of claim 70 in which the prefabricating the first page comprises:
 querying a database for information;
 processing the information; and
 packaging the processed information into the first prefabricated page.
75. (Previously Presented) The computer program product of claim 70 in which the process further comprises considering a system resource level before scheduling the action of prefabricating the first page.
76. (Previously Presented) The computer program product of claim 70 in which the definable prefabrication policy applies to a specific user or class of users.
77. (Previously Presented) The computer program product of claim 70 in which the definable prefabrication policy identifies pages to prefabricate.
78. (Previously Presented) The computer program product of claim 70 in which the step of prefabricating comprises performing auto-tuning to minimize interference with other system workload.
79. (Previously Presented) The computer program product of claim 70 in which the definable prefabrication policy is organized as a hierarchy of policies.
80. (Previously Presented) The computer program product of claim 70 in which the first page comprises a browser page.
81. (Previously Presented) The computer program product of claim 70 in which the process further comprises caching the first prefabricated page.
82. (Previously Presented) The computer program product of claim 70, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.
83. (Previously Presented) The computer program product of claim 71, the process further comprising:

routing the information request to either the first or second node.

84. (Previously Presented) The computer program product of claim 71 in which the process further comprises causing the first node to access the second prefabricated page to satisfy the information request.

85. (Previously Presented) The computer program product of claim 71 in which the process further comprises storing the first and second prefabricated pages on a network accessible storage device.

86. (Previously Presented) The computer program product of claim 71 in which the process further comprises distributing a prefabrication workload among the first and second nodes.

87. (Previously Presented) The computer program product of claim 71, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.

88. (Previously Presented) The method of claim 1, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.

89. (Previously Presented) The method of claim 49, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.

90. (Previously Presented) The method of claim 58, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.

91. (Previously Presented) The method of claim 63, wherein the prefabricating is performed in response to a request initiated by a software, a hardware, or a combination of both.

92-95 (Canceled)

96. (Previously Presented) The method of claim 1, wherein the PRB identifies at least one of a depth level, a prioritization weight, and an average page generation time.

97. (Canceled)

98. (Previously Presented) The system of claim 23, wherein the PRB identifies at least one of a depth level, a prioritization weight, and an average page generation time.

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